

VAMPSTYR 0023 V0 H

General Purpose Polystyrene

Vamp Tech

Message:

UL 94 V0, good impact strenght, good fluidity, good UV resistance, PBDE - PBDF free.

General Information			
Features	Good Flow		
	Good Impact Resistance		
	Good UV Resistance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.50	%	
Across Flow	0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2100	MPa	ASTM D638
Tensile Strength (Yield)	20.0	MPa	ASTM D638
Tensile Elongation (Break)	> 50	%	ASTM D638
Flexural Modulus	2100	MPa	ASTM D790
Flexural Strength	40.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	6.5	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	50	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	60.0	°C	ASTM D648A
Vicat Softening Temperature	75.0	°C	ASTM D1525 ¹
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	V-0		
	V-0		
3.20 mm	5VA		
Injection	Nominal Value	Unit	

Drying Temperature	50.0	°C
Drying Time	2.0	hr
Processing (Melt) Temp	190	°C
Mold Temperature	50.0	°C

NOTE

1.
- Loading 2 (50 N)

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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